

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICATION NO.: 10/587,884

ATTY. DOCKET NO.: B0877.70027US01

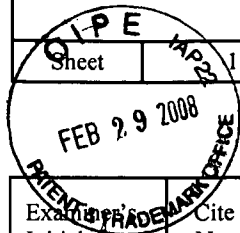
FILING DATE: July 27, 2006

CONFIRMATION NO.: 3510

APPLICANT: Mathiowitz et al.

GROUP ART UNIT: 1651

EXAMINER: Not Yet Assigned



U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	A1	3,266,987		Crowley et al.	08-16-1966
	A2	4,794,000		Ecanow	12-27-1988
	A3	4,460,563		Calanchi	07-17-1984
	A4	5,019,400		Gombotz et al.	05-28-1991
	A5	6,131,211		Hennessey	10-17-2000
	A6	6,235,224		Mathiowitz et al.	05-22-2001
	A7	6,340,588	B1	Nova et al.	01-22-2002
	A8	2003-0007954	A1	Naughton et al.	01-09-2003

FOREIGN PATENT DOCUMENTS

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C1	ASAHARA et al., Isolation of putative progenitor endothelial cells for angiogenesis. Science. 1997 Feb 14;275(5302):964-7. Abstract Only.	
	C2	ASAHARA et al., VEGF contributes to postnatal neovascularization by mobilizing bone marrow-derived endothelial progenitor cells. EMBO J. 1999 Jul 15;18(14):3964-72.	
	C3	BAUTZ et al., Expression and secretion of vascular endothelial growth factor-A by cytokine-stimulated hematopoietic progenitor cells. Possible role in the hematopoietic microenvironment. Exp Hematol. 2000 Jun;28(6):700-6. Abstract Only.	
	C4	EDELBERG et al., Young adult bone marrow-derived endothelial precursor cells restore aging-impaired cardiac angiogenic function. Circ Res. 2002 May 31;90(10):E89-93.	
	C5	EGILMEZ et al., Cytokines delivered by biodegradable microspheres promote effective suppression of human tumors by human peripheral blood lymphocytes in the SCID-Winn model. J Immunother (1997). 2000 Mar-Apr;23(2):190-5. Abstract Only.	
	C6	HANDGRETINGER et al., Biology and plasticity of CD133+ hematopoietic stem cells. Ann N Y Acad Sci. 2003 May;996:141-51. Abstract Only.	
	C7	HATTORI et al., Vascular endothelial growth factor and angiopoietin-1 stimulate postnatal hematopoiesis by recruitment of vasculogenic and hematopoietic stem cells. J Exp Med. 2001 May 7;193(9):1005-14.	

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DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449/A and B (modified PTO/SB/08) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/587,884	ATTY. DOCKET NO.: B0877.70027US01
				FILING DATE: July 27, 2006	CONFIRMATION NO.: 3510
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Sheet	2	of	3		

C8	HEISSIG et al., Recruitment of stem and progenitor cells from the bone marrow niche requires MMP-9 mediated release of kit-ligand. Cell. 2002 May 31;109(5):625-37. Abstract Only.	
C9	HILL et al., Cancer immunotherapy with interleukin 12 and granulocyte-macrophage colony-stimulating factor-encapsulated microspheres: coinduction of innate and adaptive antitumor immunity and cure of disseminated disease. Cancer Res. 2002 Dec 15;62(24):7254-63.	
C10	KALKA et al., Transplantation of ex vivo expanded endothelial progenitor cells for therapeutic neovascularization. Proc Natl Acad Sci U S A. 2000 Mar 28;97(7):3422-7.	
C11	KALKA et al., Vascular endothelial growth factor(165) gene transfer augments circulating endothelial progenitor cells in human subjects. Circ Res. 2000 Jun 23;86(12):1198-202.	
C12	KREITZ et al., Controlled delivery of therapeutics from microporous membranes. II. In vitro degradation and release of heparin-loaded poly(D,L-lactide-co-glycolide). Biomaterials. 1997 Dec;18(24):1645-51. Abstract Only.	
C13	KREITZ et al., Controlled delivery of therapeutics from microporous membranes. I. Fabrication and characterization of microporous polyurethane membranes containing polymeric microspheres. Biomaterials. 1997 Apr;18(8):597-603. Abstract Only.	
C14	LUTTUN et al., Vascular progenitors: from biology to treatment. Trends Cardiovasc Med. 2002 Feb;12(2):88-96. Abstract Only.	
C15	LYDEN et al., Impaired recruitment of bone-marrow-derived endothelial and hematopoietic precursor cells blocks tumor angiogenesis and growth. Nat Med. 2001 Nov;7(11):1194-201.	
C16	MATHIOWITZ et al., Biologically erodable microspheres as potential oral drug delivery systems. Nature. 1997 Mar 27;386(6623):410-4. Abstract Only.	
C17	MURAYAMA et al., Determination of bone marrow-derived endothelial progenitor cell significance in angiogenic growth factor-induced neovascularization in vivo. Exp Hematol. 2002 Aug;30(8):967-72. Abstract Only.	
C18	MUROHARA et al., Transplanted cord blood-derived endothelial precursor cells augment postnatal neovascularization. J Clin Invest. 2000 Jun;105(11):1527-36.	
C19	PADOVAN et al., Expression of neuronal markers in differentiated marrow stromal cells and CD133+ stem-like cells. Cell Transplant. 2003;12(8):839-48. Abstract Only.	
C20	PEICHEV et al., Expression of VEGFR-2 and AC133 by circulating human CD34(+) cells identifies a population of functional endothelial precursors. Blood. 2000 Feb 1;95(3):952-8. Abstract Only.	
C21	RAFII et al., Therapeutic stem and progenitor cell transplantation for organ vascularization and regeneration. Nat Med. 2003 Jun;9(6):702-12.	
C22	RAFII et al., Characterization of hematopoietic cells arising on the textured surface of left ventricular assist devices. Ann Thorac Surg. 1995 Dec;60(6):1627-32.	
C23	RAFII et al., Efficient mobilization and recruitment of marrow-derived endothelial and hematopoietic stem cells by adenoviral vectors expressing angiogenic factors. Gene Ther. 2002 May;9(10):631-41.	
C24	SANDOR et al., Transfection of HEK cells via DNA-loaded PLGA and P(FASA) nanospheres. J Drug Target. 2002 Sep;10(6):497-506. Abstract Only.	
C25	SANDOR et al., Effect of protein molecular weight on release from micron-sized PLGA microspheres. J Control Release. 2001 Oct 19;76(3):297-311. Abstract Only.	
C26	SHI et al., Evidence for circulating bone marrow-derived endothelial cells. Blood. 1998 Jul 15;92(2):362-7.	

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Sheet	3	of	3		

	C27	TAKAHASHI et al., Ischemia- and cytokine-induced mobilization of bone marrow-derived endothelial progenitor cells for neovascularization. Nat Med. 1999 Apr;5(4):434-8.	
	C28	TAMAKI et al., Engraftment of sorted/expanded human central nervous system stem cells from fetal brain. J Neurosci Res. 2002 Sep 15;69(6):976-86. Abstract Only.	
	C29	TATEISHI-YUYAMA et al., Therapeutic angiogenesis for patients with limb ischaemia by autologous transplantation of bone-marrow cells: a pilot study and a randomised controlled trial. Lancet. 2002 Aug 10;360(9331):427-35.	
	C30	YOUNG et al., VEGF increases engraftment of bone marrow-derived endothelial progenitor cells (EPCs) into vasculature of newborn murine recipients. Proc Natl Acad Sci U S A. 2002 Sep 3;99(18):11951-6. Epub 2002 Aug 23.	

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

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EXAMINER: /Taeyoon Kim/	DATE CONSIDERED: 07/20/2010
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